

BUILDING A HOUSE

PROJECT MANAGEMENT

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INTRODUCTION

Project management refers to the activity of initiating, planning, executing, controlling and closing the work of a team or group to accomplish particular aims and objectives and meet specific criteria within set time frame. The major challenge of project management is to accomplish all of the project aims within provided confinements (Coulter and et. al., 2016). It is more crucial practice which is essential in context with enhanced and effective accomplishment of set activities at pre defined standards. The below project is based on development of a project management plan in context of building a house. The report will include the information about the execution and control of the models and approaches which are used for building a house project. Further, will discuss about the objectives which are set by the management of the firm, that they are accomplished on time or not. Changes and benefits will also discuss that were made in the run up to completion of the project.

MAIN BODY

Execution and control the project by using effective models and approach

To manage and control the project, PRINCE 2 Methodology was used so that the project regarding building a house can be run effectively and appropriately. Because it is an important project management tool which include various principles and activities which must be accepted by people and connected with improving and executing a construction process. So the project is managed and executed well. The project manager implemented this methodology so that they can make effective construction of a house which included basement along with 5 rooms. The project was effectively executed because by with the use of PRINCE 2 model, the project manager firstly form a team which provided it effective contribution in running the project. In this team, each person was responsible for their allotted duties and responsibilities. The individual also performed their roles in effective manner by exciting their responsibilities. For example, the project managers were effectively manage the task work and provided required resources on time. Other people like contractors, lead consultants and architects etc. also were performed their duties in crucial manner.

The project of building a house was also controlled in well manner because the project manager set objectives for it (Croitoru and et. al., 2016). They worked for building a house which is sustainable, effective and constitutional design along with long term lastingness in the

structure. Before starting the work on this project, they did deep investigation to complete this projection in efficient manner. For example, they researched that what new techniques they can use, they did investigation in context of instruments and regarding construction process. After that they scheduled the project and started to work on it. The projection was controlled and executed well because the team and project manager were aware with all the objective of the project and needed resources.

End of project report

It refers to the closing of the project or an end of the project is utilised by project managers and their group at the end of a projection to monitor how the project performed. When the people of a company perform their roles and responsibilities in context of completion of a projection and when the project accomplish its objectives, it known as end of project (Grandoni and et. al., 2019). The project was completed in effective manner because the project managers previously set objectives, prepare budget, frame team and set time frame for completion the project. The required resources for building a house were provided by the managers to the team members on time. The projection administrators also provided a pathway for the entire building project to the project management group so that they can work in a structured way by following provided instructions.

The people which were in the team, were skilled and have information regarding these kind of projection. So completion of the project was easy and constructing the building by fulfilling set objectives. This project had wide scope because in it, the project management team implemented new technologies and equipments which would be utilised to perform the construction. The organisation was also implemented techniques like automation that helped in minimising issues and problems within construction procedure. The end of the project is good because the project managers accomplished their desired results because they used high level of safety hazards, ineffective technology equipments etc. to provide project of risks and threats of natural disaster and others. These all things made their contribution in constructing a good building and completing the projection in adequate manner.

Outline the objectives of the project and indicate if they were achieved or not

The objective of the project report was to construct a building which is able to offer a sustainable, effective and essential design along with long time durability in the framework (Lauster, 2016). The main purpose of the project was building a house which was constructing

by using new technologies and equipments and able to provide satisfaction in term of long sustainability and durability. This objective was accomplished by the projection administration group because the people who were working in the team regarding this project had effective skills and information about new technologies which they were used in building the house. They also utilised new equipments so that they can fulfilled the objectives and project needs (Lench, Bench and Perez, 2017). Another reason of accomplished the objective in well defined manner was that the project management team worked by using their all efforts and project mangers conducted research regarding constriction techniques and equipments that were used for building a house. Pre-planned reading fund, time and labour was also a crucial factor which also help in accomplishing the project objective in effective way.

For completing a specific task and work, the time was also settled by the project manager like site preparation and grading, they set 3 weeks time-frame and others. It was beneficial for the workers and team members because the people divided their task and work as per the time frame so that it was complete on time. It was good for accomplish the objective and the project management team was achieved the motive of the project on time in desired way.

Outline any benefits that have been achieved and if these were expected or unexpected

This project was in context of building a house and provided various benefits which are expected in context of building as well as employees or team members. During the the time of constructing a building, project management team used high level of safety so that the building sustain till long term. For this, they used better quality raw material, technologies and equipments so that they can constructed a good house which was able to satisfy the users need of safety regrading natural disasters and others. In context of employees or teammates, the project managers also fulfilled their safety need by providing information to them about new technologies which they were used during the time of building a house. For this, they provided training and development sessions so that the team members had clear information in context of utilisation of new equipments and technologies. It helped them in providing safety instructions that how they would used them during the time of working.

The project administration team also provided training to the individual who were working in team to deal with the risk and threats which were generated in their work during the time of executing it (Lessing and Brege, 2015). It was also provide benefits to them because to had the solution to deal with the issues, they could complete their work in set time frame or in

appropriate manner. Training and development sessions was a crucial benefits for the team members because it helped them in improving and developing their skills, knowledge and competencies which was good for their personal as well as professional development.

Did the project stay within its original scope? This is the project's timescale, the budget and the projects tolerance

Yes, the project stayed within its original scope because the task and work were set and completed in set time-frame. For example, the project manager set time of 3 weeks for site preparation and grading, 2 weeks for construction of foundation, 2 weeks for framing, 20 weeks for development of superstructure, 3 weeks for HVAC, insulation and Drywall, 2 weeks for painting and electrical finish and 1 week for flooring, plumbing and finishing installations. For the investment of the capital and fund, the project manager designed a budget for the different activities of the projection which consisted cost and fund (Lessing, 2015). For instant, the administrators of this project divided the investment and expenses in to two types of costs like hard construction costs and soft construction cost. Total hard construction cost of this project was £680700 in which £46800 for foundation, drywall, framing, roofing and flooring etc. Where as £60000 for plumbing, safety or security system and electrical, 53200 for furnishing, equipments and fixtures, 68000 for HVAC, 14500 for landscaping and 17000 for site operations. Soft construction cost involved £28000 for engineers and architects fees or cost and £3900 for salaries of the employees and team members.

So the scope of the project was stayed original because all the activities regarding building of the house completed in set time-frame and set cost. So any kind of negative impact did not affect the project in unfavourable manner and helped in accomplishing the major purpose of the project.

Explain the changes that were made in the run up to completion of the project. These are changes made in original plan. Also, what were effects of these changes on the project

The changes and alteration was made in context of time, budget and deliverables from the projects. These kind of modifications were done by the project manger in business case so that the projection regarding building a house could be completed in effective and appropriate manner (Nielsen, 2016). These alterations were done by the project manager in original business plan so that when they were these kind of projection future, they could complete it in more effective manner. The project manger devised modifications in planning phases so that the

current project execution elevated and changes marked to be executed to kept up with the objectives of the project plan (Castle Bell and et. al., 2015). They made changes in objective of the projection in term of improvement so that the project could be complete in more effective way. The changes were in term of quality it create positive impact on the projection in term of constructing a house by using quality raw material, new technologies and equipments etc. Some changes were made in business case which helped in minimising risk, tolerance level and uttered advantages of the projection.

The change which are devised in costs, affected the budget in negative term because the budget was designed by the project manger previously (Pukhkal and et. al., 2015). So more investment of the cost affect them unfavourably. But it positively affected the project in term of devising improvement or completing different activities in better manner. Some changes were form in technologies in term of implementing new construction technology. It created favourable impact on project and its objective because the activities of it completed by using it which provided more satisfaction in term of sustainability and long term durability of the building.

Summarise the lessons learnt during the project, what went well and what you would do differently next time

There were several lessons which learnt by the team members when they were working in this project or proving their contribution for completion of the projection in adequate and appropriate manner. When they were working on this project, they learn about various tools and and technologies which were used in constructing a building and house. The planning which was do by the project manager was good because the person set a specific time frame for each and every task and work and allotted them according to employees skills and knowledge so that they completed them in set time-frame. It was a good thing of this project which played an important role in completing the work in on time. Investigation is another good thing was also helped in finishing the projection timely (Saha and et. al., 2015). The team members did research regarding their work so that they could find out the issues and risk or completed the task in more effective manner to deal with them.

In future, if these kind of project allot to project mangers then they can prepare the budget in more effective manner and have extra fund so that they can use it at the time of requirement. Next time, the team members can use their more efforts and take online classes to

get information about new technologies so that they can make their effective contribution in completion of the project.

This project was successful because the resources were provided by the managers on time and the resources are good for building a house which helped in sustainable it till long term (Taylor and et. al., 2015). But there are some areas which had the need of improvement like, extra cost and time, effective training to the employees so that they can had clear information about the technologies and use their skills in term of effective completion of the projection.

Were there any risks which you feel you could have identified earlier on in the project?

Yes, there were the major risk of safety which faced by the project administration group. This risk was occurred due to lack of information about the new technologies and use of equipments related to construction. So if the people used them wrong way then it affected them negatively. Another risk are framing strategies, offering resources and others are easy things but during the time of working in project, it felt that these things were not easy. Because constructing a house and building there were several things required and some of them did not easy to get and use like technologies and equipments. Before implementation and utilisation of them, it was necessary to had information about them so that they could use in right manner or did not affect individual unfavourably (Tobin, 2015). They were not avoidable because without using new technologies and equipments a better and sustainable house could not be built as per the requirement of present time users. So it was necessary to build them by implementing effective tools and techniques which were able to fulfil different demands like safety, long term sustainability and durability.

CONCLUSION

From the above information, it can be analysed that project management is an effective activity of because it help in managing, controlling and executing all the project practices in effective and efficient manner. It is quite essential in terms of adequately enhancing the scope of the success and growth of a specific projection. It help in providing in formation that the objective of the project is accomplished in effective manner or not. If not, then where is the problem and assist in resolving them. If the aims of the project does not accomplish in appropriate manner then changes can be devised to achieve desired outcomes which are able to satisfied projection needs.

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